

File Name: DSC05488.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 2:48:34 PM
Photographer	D. Vanlerberghe
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Overview of Charlotteburg Reservoir, showing houses on hill above reservoir

File Name: DSC05489.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 2:48:47 PM
Photographer	D. Vanlerberghe
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Charlotteburg Reservoir intake building

File Name: DSC05490.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 2:58:08 PM
Photographer	D. Vanlerberghe
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Traveling screen, screen building for Charlotteburg Reservoir

File Name: DSC05491.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 3:13:17 PM
Photographer	D. Vanlerberghe
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Fence damage, perimeter of screen building for Charlotteburg Reservoir

File Name: DSC05485.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 4:02:34 PM
Photographer	C. Alvarez
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Charlotteburg Reservoir intake pumps

File Name: DSC05486.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/10/2014 4:02:43 PM
Photographer	C. Alvarez
Camera	Sony Cyber Shot Serial No. 7123396 (Region 2 Camera)
Description	Charlotteburg Reservoir intake pumps view to the right

File Name: IMGP0001.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 10:30:56 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Pequannock water treatment plant (WTP) sample taps in WTP lab

File Name: IMGP0002.JPG

Pequannock Water Treatment Plant Operating Parameters

Call Manager/supervisors if any deviations occur.

Voice alarm levels

Chlorinated Raw	Low Limits	High Limits	High	Low
Chlorine Residual, mg/L	0.2	0.6	N/A	N/A
Mixed Water	Low Limits	High Limits	High	Low
Chlorine Residual, mg/L	0.05	0.4	N/A	N/A
Filtered Water	Low Limits	High Limits	High	Low
pH, units	N/A	7	7	N/A
Turbidity, NTU	N/A	0.25	0.25	N/A
Chlorine Residual, mg/l	0.03	1.2	0.2	N/A
Delivered Water	Low Limits	High Limits	High	Low
pH, units	6.9	7.8	High	Low
Turbidity, NTU	N/A	0.3	0.3	N/A
Chlorine Residual, mg/l	0.7	1.2	1.2	0.7
Sample House	Low Limits	High Limits	High	Low
pH, units	7.2	8.3	N/A	N/A
Service Water	Low Limits	High Limits	High	Low
pH, units	7	8	N/A	N/A
Turbidity, NTU	N/A	0.4	N/A	N/A
Chlorine Residual, mg/l	0.2	0.4	N/A	N/A
The following low and high limits must be used to determine filter backwashing.				
Head Loss (inches)	Low Limits	High Limits	High	Low
Channel Level	N/A	96 inches	N/A	N/A
Filter Flow (MGD)	621.5 ft.	625 ft.	625 ft.	N/A
Clear Wells	1 (MGD)	8 (MGD)	N/A	N/A
Waste Water Holding Tank	596 ft.	610 ft.	610 ft.	596 ft.
Service Water Tank	596.8 ft.	601 ft.	601 ft.	N/A
	602 ft.	606 ft.	N/A	N/A
Screen Building				
Downstream Level	Low Limits	High Limits	High	Low
	N/A	14.0 ft.	14 ft.	N/A
Chemical switch-overs & Tank levels				
Alum Polymer	Low Limits	High Limits	High	Low
Sodium Silicate Tanks	13.5 ft.	18 ft.	18 ft.	N/A
PACl Tanks	2 ft.	8 ft.	8 ft.	N/A
Line Bins	8 in.	12 ft.	17 ft.	N/A
Chlorine psl	10%	50%	50%	Below 10%
Filter Plant Fuel Oil Tanks	5 psi	125 psi	400 psi	60 psi
PFP Fuel Oil Tank	1,505 gal.	9,100 gal.	9,100 gal.	1,505 gal.
Screen Chamber Fuel Oil Tk	N/A	2,700 gal.	2,700 gal.	N/A
973-2 Polymer (Day Tank)	N/A	900 gal.	900 gal.	N/A
1883-A Polymer	20 in.	62 in.	N/A	N/A
Individual Filter Turbidity	N/A	0.48 NTU	0.48 NTU	N/A

Revised Date: 10/2008

Attributes

Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 10:45:07 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP lab operating parameters sheet (with flash)

File Name: IMG0003.JPG

Pequannock Water Treatment Plant Operating Parameters

Call Manager/supervisors if any deviations occur.

Voice alarm levels

Chlorinated Raw	Low Limits	High Limits	High	Low
Chlorine Residual, mg/L	0.2	0.6	N/A	N/A
Mixed Water				
Chlorine Residual, mg/L	Low Limits 0.05	High Limits 0.4	High	Low
Filtered Water				
pH, units	Low Limits N/A	High Limits 7	High	Low
Turbidity, NTU	N/A	0.25	7	N/A
Chlorine Residual, mg/l	0.03	0.2	0.25	N/A
Delivered Water				
pH, units	Low Limits 6.9	High Limits	High	Low
Turbidity, NTU	N/A	7.8	7.8	6.9
Chlorine Residual, mg/l	0.7	1.2	0.3	N/A
Sample House				
pH, units	Low Limits 7.2	High Limits 8.3	High	Low
Service Water				
pH, units	Low Limits 7	High Limits	High	Low
Turbidity, NTU	N/A	8	N/A	N/A
Chlorine Residual, mg/l	0.2	0.4	N/A	N/A
The following low and high limits must be used to determine filter backwashing.				
Head Loss (inches)	Low Limits N/A	High Limits 96 inches	High	Low
Channel Level	621.5 ft.	625 ft.	N/A	N/A
Filter Flow (MGD)	1 (MGD)	8 (MGD)	625 ft.	N/A
Clear Wells	596 ft.	610 ft.	N/A	N/A
Waste Water Holding Tank	596.8 ft.	601 ft.	610 ft.	596 ft.
Service Water Tank	602 ft.	606 ft.	601 ft.	N/A
Screen Building				
Downstream Level	Low Limits N/A	High Limits 14.0 ft.	High	Low
Chemical switch-overs & Tank Levels				
Alum Polymer	Low Limits 13.5 ft.	High Limits 18 ft.	High	Low
Sodium Silicate Tanks	2 ft.	8 ft.	8 ft.	N/A
PACI Tanks	6 in.	12 ft.	12 ft.	N/A
Line Bins	10%	50%	50%	Below 10%
Chlorine pal	5 psi	125 psi	400 psi	60 psi
Filter Plant Fuel Oil Tanks	1,505 gal.	9,100 gal.	9,100 gal.	1,500 gal.
PTP Fuel Oil Tank	N/A	2,700 gal.	2,700 gal.	N/A
Screen Chamber Fuel Oil Tk.	N/A	900 gal.	900 gal.	N/A
873-C Polymer (Dry Tank)	20 in.	62 in.	N/A	N/A
1883-C Polymer	20 in.	62 in.	N/A	N/A
Individual Filter Turbidity	N/A	0.45 NTU	0.45 NTU	N/A

Revised Date: 10/2008

WATER/SEWER/STORMWATER

Attributes

Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 10:45:33 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP lab operating parameters sheet (without flash)

File Name: IMGP0004.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 10:47:34 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP lab jar test

File Name: IMGP0005.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:03:29 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP lab jar test, filter simulation

File Name: IMG0006.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:03:36 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP lab jar test, filter simulation

File Name: IMGP0007.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:20:27 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 10, before backwash

File Name: IMG0008.JPG



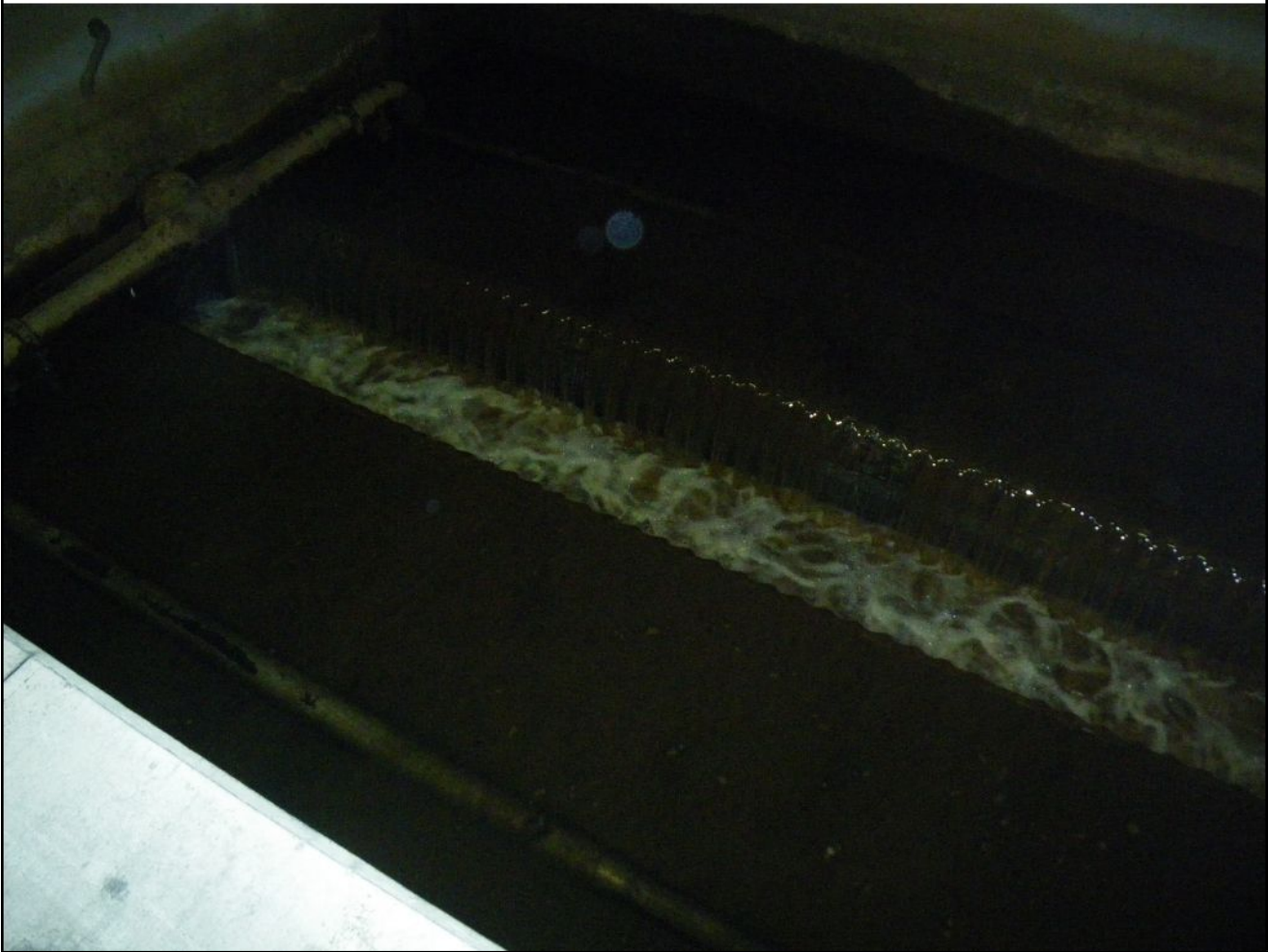
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Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:25:25 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, filter drain down

File Name: IMG0009.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:28:36 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, start of backwash

File Name: IMGP0010.JPG



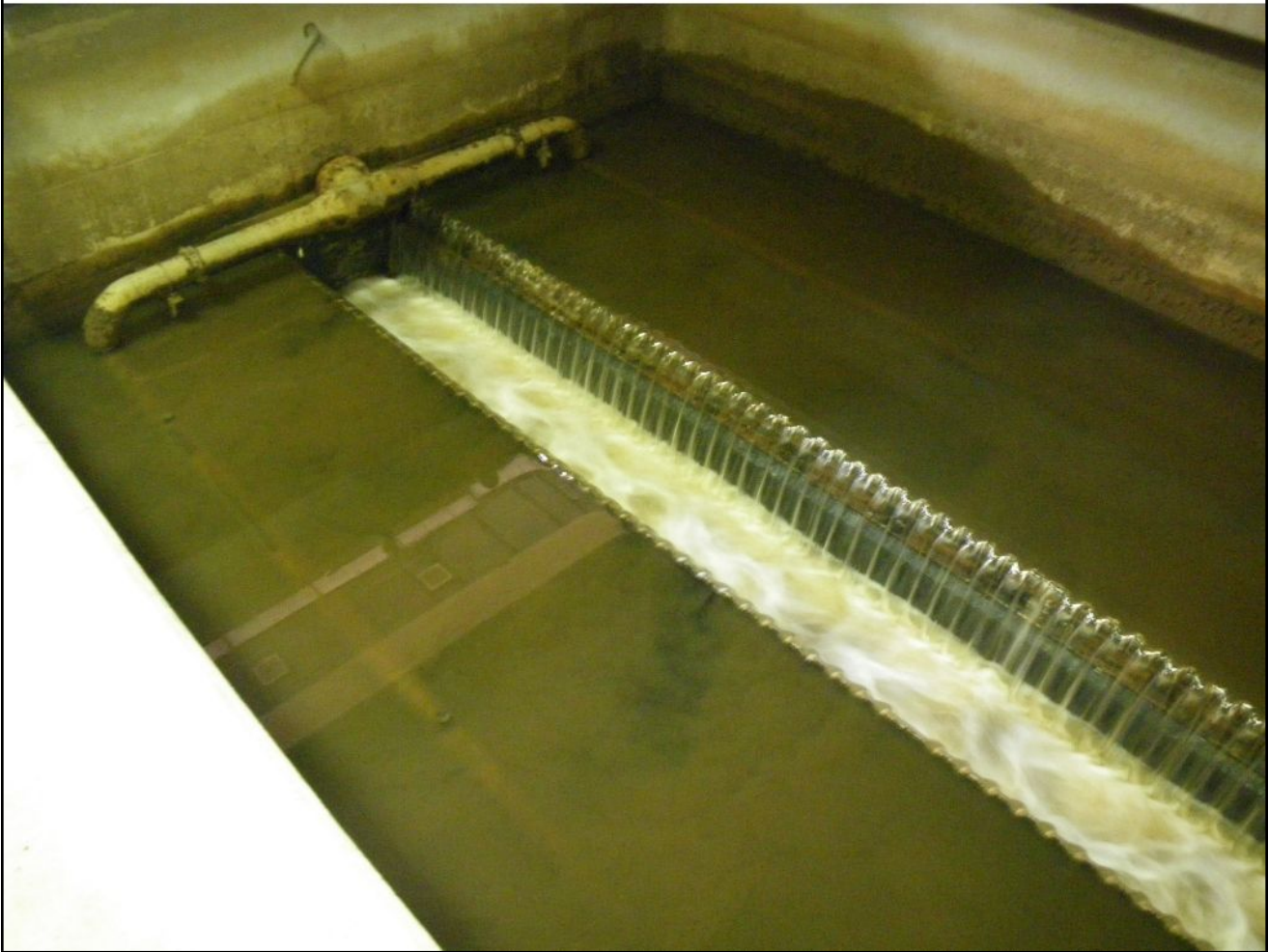
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Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:29:46 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, during backwash

File Name: IMGP0011.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:31:00 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, during backwash

File Name: IMGP0012.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:33:35 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, during backwash

File Name: IMGP0013.JPG



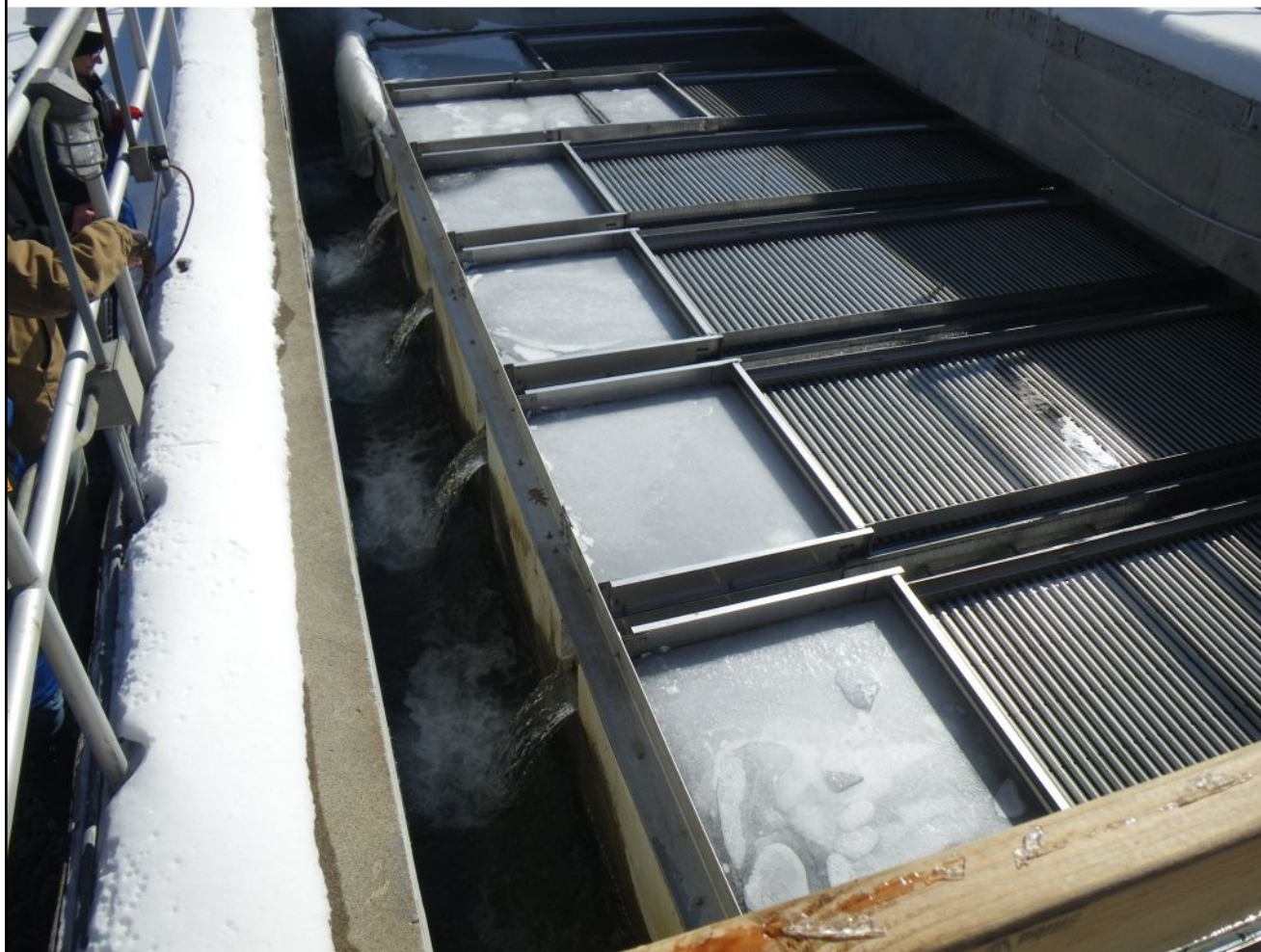
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Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:35:50 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, end of backwash

File Name: IMGP0014.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:36:23 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Backwash, filter No. 10, end of backwash

File Name: IMGP0015.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:48:22 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Plate settlers, filter backwash

File Name: IMGP0016.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 11:59:13 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Filter backwash, wastewater holding tank

File Name: IMGP0017.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 12:10:51 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Filter backwash, plate settler sludge pumps

File Name: IMGP0018.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 12:11:07 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Filter backwash, wastewater pumps

File Name: IMGP0019.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 12:14:33 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Filter pipe gallery

File Name: IMG0020.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 12:16:30 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Filter No. 10 turbidimeter

File Name: IMGP0021.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 3:17:38 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 4, emptied

File Name: IMGP0022.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 3:19:24 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 4, emptied

File Name: IMGP0023.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 3:20:20 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 4, emptied

File Name: IMGP0024.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 3:40:58 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 4, left surface sweeps not moving, right surface sweeps moving

File Name: IMG0025.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 3:41:23 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	WTP filter No. 4, left surface sweeps not moving, right surface sweeps moving

File Name: IMGP0026.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/11/2014 4:53:39 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Polymer storage tanks, containment area

File Name: IMGP0027.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 9:42:27 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Wayne pump station building

File Name: IMGP0028.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 9:44:59 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Wayne pump station pumps

File Name: IMGP0029.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 10:17:56 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Clifton pump station pumps (Chittenden Road)

File Name: IMGP0030.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 10:54:46 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Belleville complex

File Name: IMGP0031.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 11:50:00 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Montclair rechlorination station pumps

File Name: IMGP0032.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 11:53:40 AM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Montclair rechlorination station, surge tank

File Name: IMGP0033.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 2:20:14 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Cedar Grove reservoir

File Name: IMGP0034.JPG



Attributes	
Title	Newark, New Jersey Sanitary Survey
Subject	Safe Drinking Water Act
Date Time Stamp	2/12/2014 2:20:36 PM
Photographer	D. Vanlerberghe
Camera	Pentax Optio W60 Serial No. 9309325 (NEIC Camera)
Description	Cedar Grove reservoir